

MZT8 – A compact marvel!

The short magnetic cylinder sensor
with active sensor tip

MZT8 – So small yet so versatile

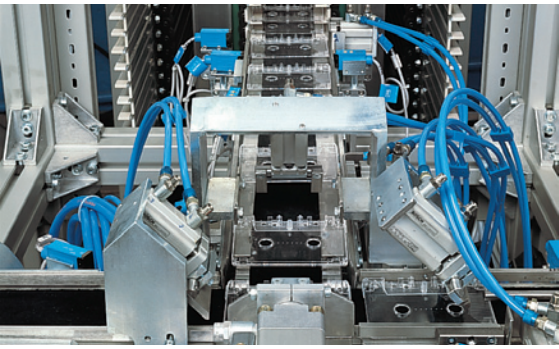


Sometimes, every millimetre matters! This is especially true for pneumatic cylinders with a short-stroke. At just 24 mm in length the MZT8 exhibits great functionality, yet modest dimensions. One of the shortest sensors on the market, its ASIC technology delivers accurate switching points with low hysteresis.

Small cylinder sensor with great benefits:

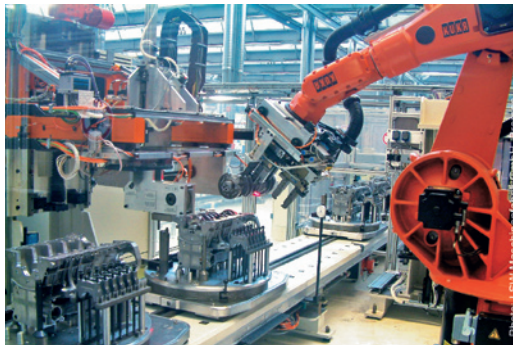
- extremely short housing, ideal for short-stroke cylinders
- sensor in the tip of the housing, detection without reducing the stroke
- easy to mount and adjust
- IP 69k for harsh ambient conditions
- captive fixing screw
- accurate switching points

For further information see www.sick.com/mzt8



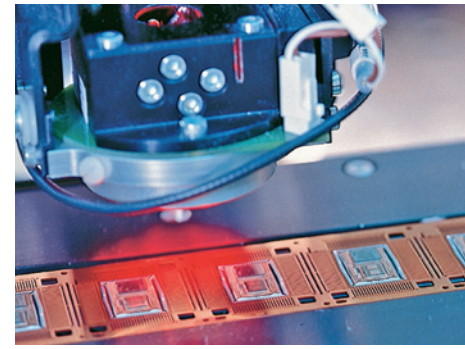
ACTIVE SURFACE IN THE TIP OF THE HOUSING

The MZT8's housing is very short, with the active sensor surface integrated right into the tip of the housing. Thus, even in very compact, short-stroke cylinders, the sensor is always in the ideal position: at the very start or at the very end position of the piston. Therefore, stroke losses no longer affect the switching point. And the MZT8 hits it with absolute precision, with its SICK ASIC-technology it sets standards in switching accuracy and hysteresis.



ONE-HANDED ASSEMBLY – EVEN OVERHEAD

With the captive clamping screw, the MZT8 is easier to assemble than many other sensors. Simply insert into the T-slot with one hand from above, position, turn the fixing screw through a quarter turn using a screwdriver or Allen key, and the sensor is tightly clamped. This works in any position, even upside down – really simplifying commissioning.



IP 69K – AT HOME IN HARSH AMBIENT CONDITIONS

The MZT8's housing and electronics are designed for arduous industrial conditions, especially for extremely harsh areas: the small sensor is insensitive to abrasive cutting agents, oils and other problematic substances, withstands vibrations and shock loadings and even remains unaffected by high-pressure cleaning. With IP 69k protection, the MZT8 really is a sensor for all situations – even the toughest ones.

UNIVERSALLY APPLICABLE

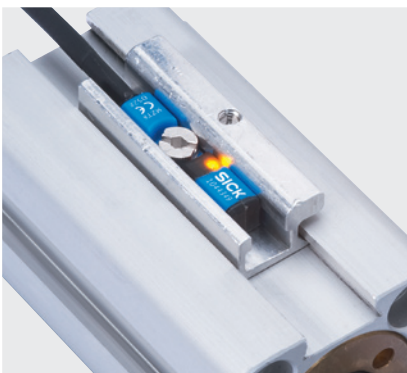
With its outstanding switching properties, the MZT8 is ideal for a very wide range of applications and can be used not only in cylinders with T-slot. Using adapters, it can also be easily mounted on round body cylinders, tie-rod cylinders and cylinders with a dovetail slot.



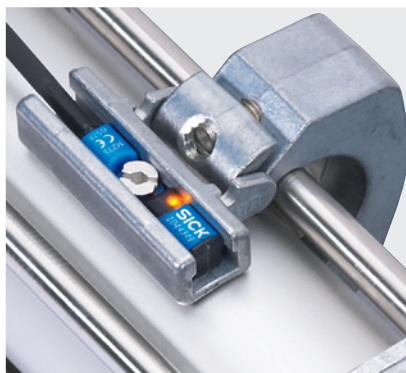
Round body cylinders



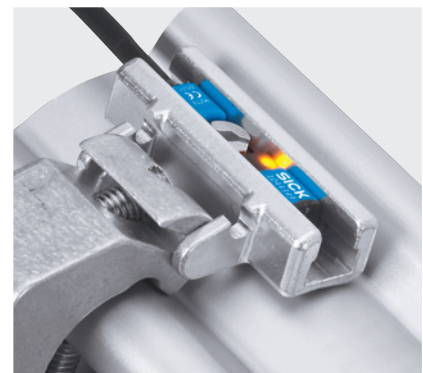
Rail mounting SMC cylinders



Dovetail cylinders



Tie-rod cylinders



Integrated profile cylinders

FACTORY AUTOMATION

With its intelligent sensors, safety systems, and auto idet applications, SICK realises comprehensive solutions for factory automation.

- Non-contact detecting, counting, classifying, and positioning of any types of object
- Accident protection and personal safety using sensors, as well as safety software and services



LOGISTICS AUTOMATION

Sensors made by SICK form the basis for automating material flows and the optimisation of sorting and warehousing processes.

- Automated identification with bar code and RFID reading devices for the purpose of sorting and target control in industrial material flow
- Detecting volume, position, and contours of objects and surroundings with laser measurement systems



PROCESS AUTOMATION

Analyzers and Process Instrumentation by SICK MAIHAK provides for the best possible acquisition of environmental and process data.

- Complete systems solutions for gas analysis, dust measurement, flow rate measurement, water analysis or, respectively, liquid analysis, and level measurement as well as other tasks



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